

SEQUENCE LISTING

<110> Holloway, James L.

<120> A Method and System for Detecting Near
Identities in Large DNA Databases

<130> 99-61

<160> 3

<170> FastSEQ for Windows Version 3.0

<210> 1

<211> 32

<212> DNA

<213> Artificial Sequence

<220>

<223> Illustrative nucleotide sequence.

<400> 1

actgagctac tctgccactc ttctactgga cc

32

<210> 2

<211> 33

09772313 013001
TOEFOE

<212> DNA

<213> Artificial Sequence

<220>

<223> Illustrative nucleotide sequence.

<400> 2

ctgagctact ctgccactct tctactggac ctg

33

<210> 3

<211> 50

<212> DNA

<213> Artificial Sequence

<220>

<223> Illustrative nucleotide sequence.

<400> 3

ctgagctact ctgccactct tctactggac ctggtcaact agccagcatg

50

097231 0130/60

FIGURE 1

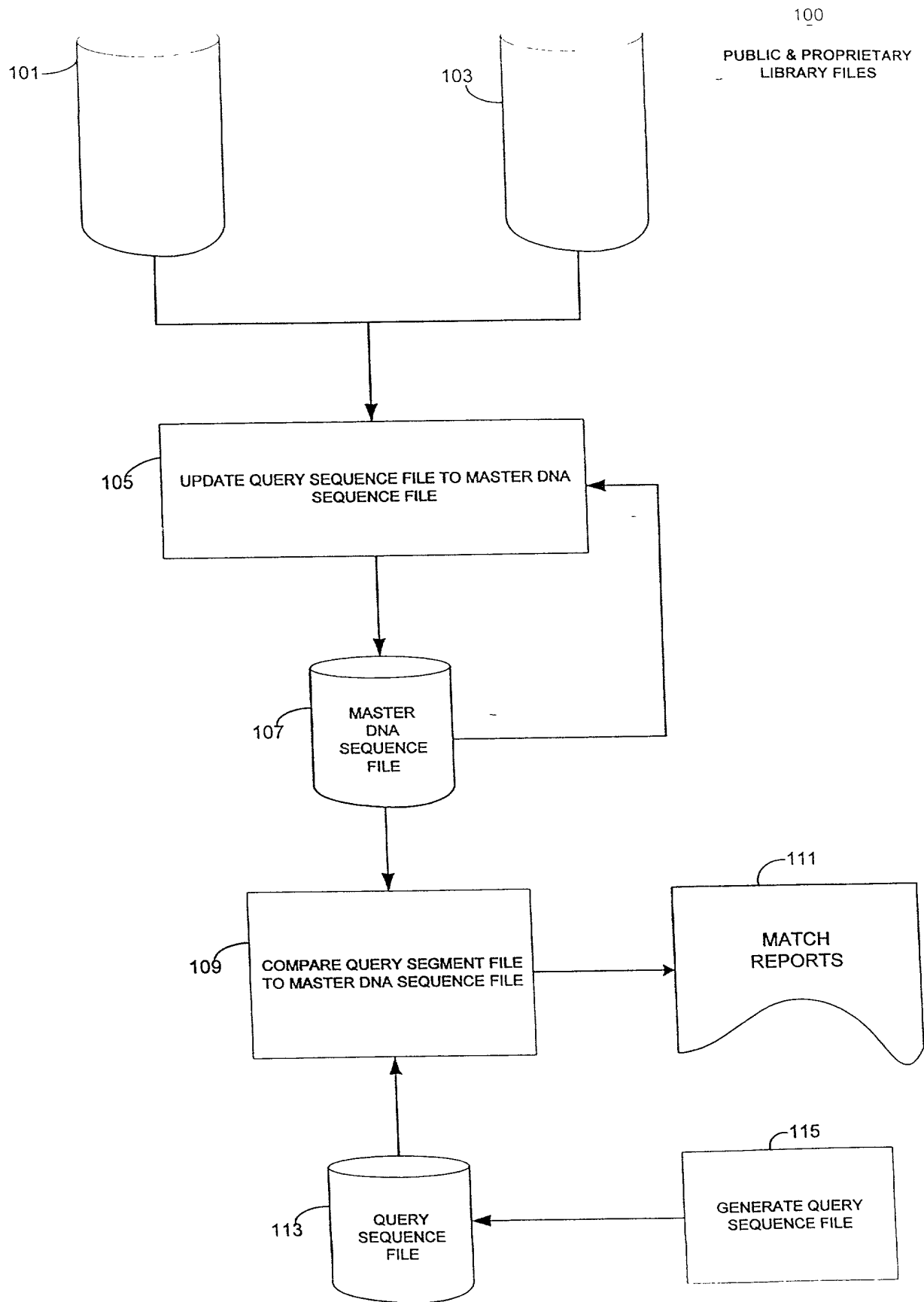
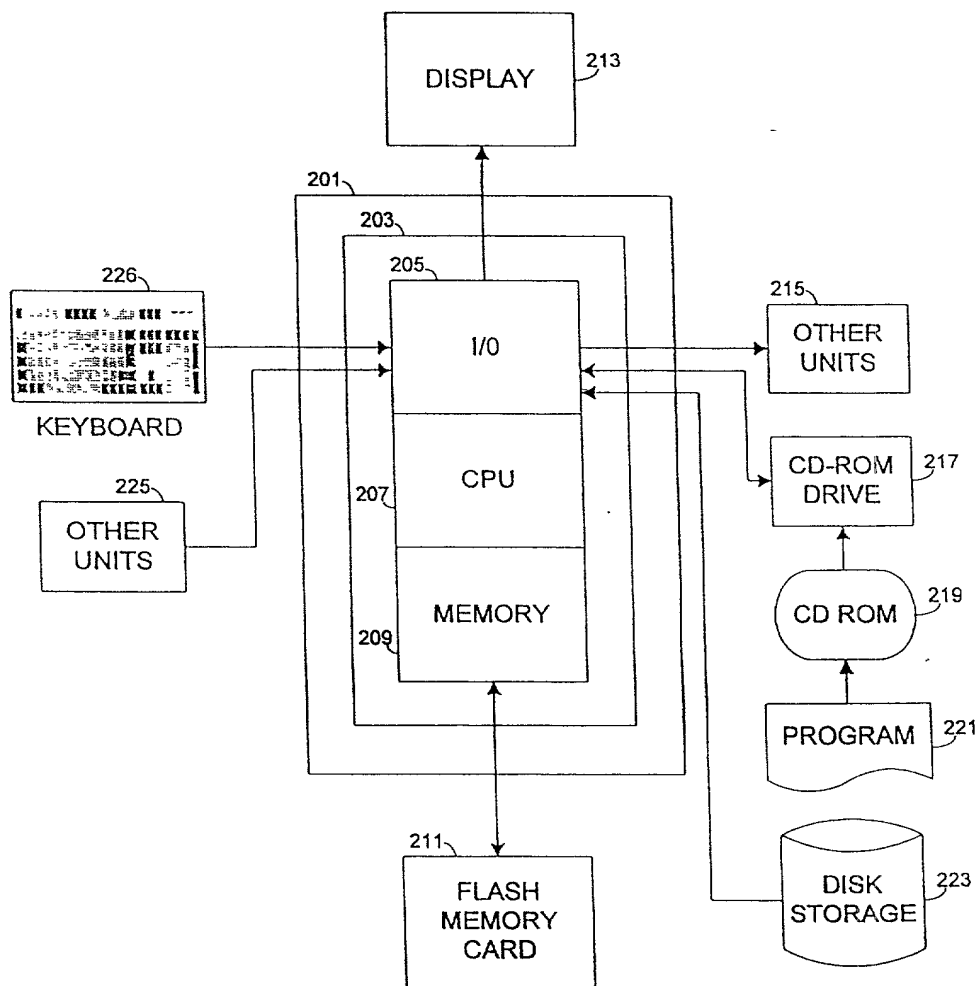


Figure 2
200 Typical General Purpose Computer/



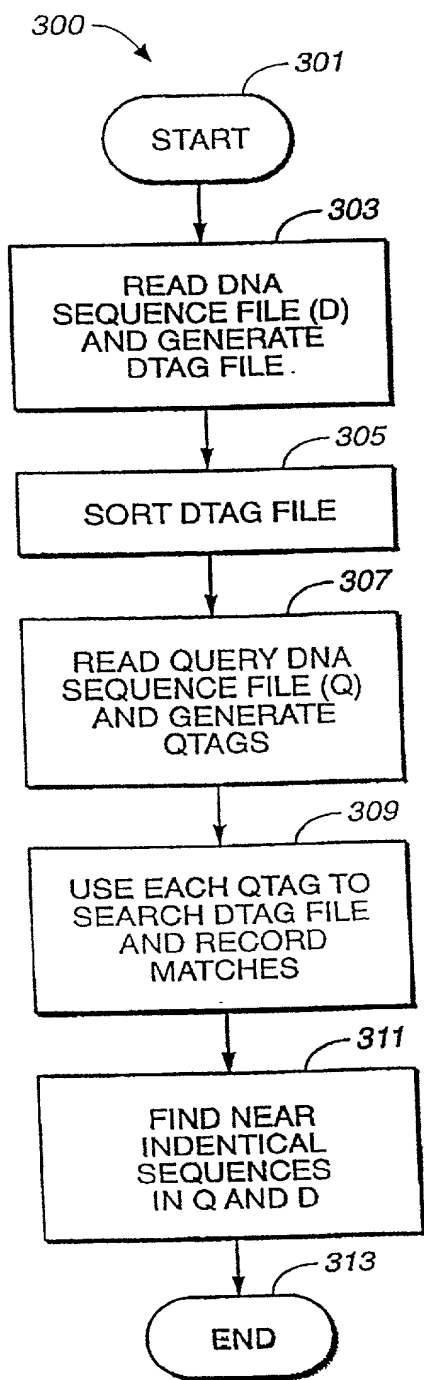


FIG._3

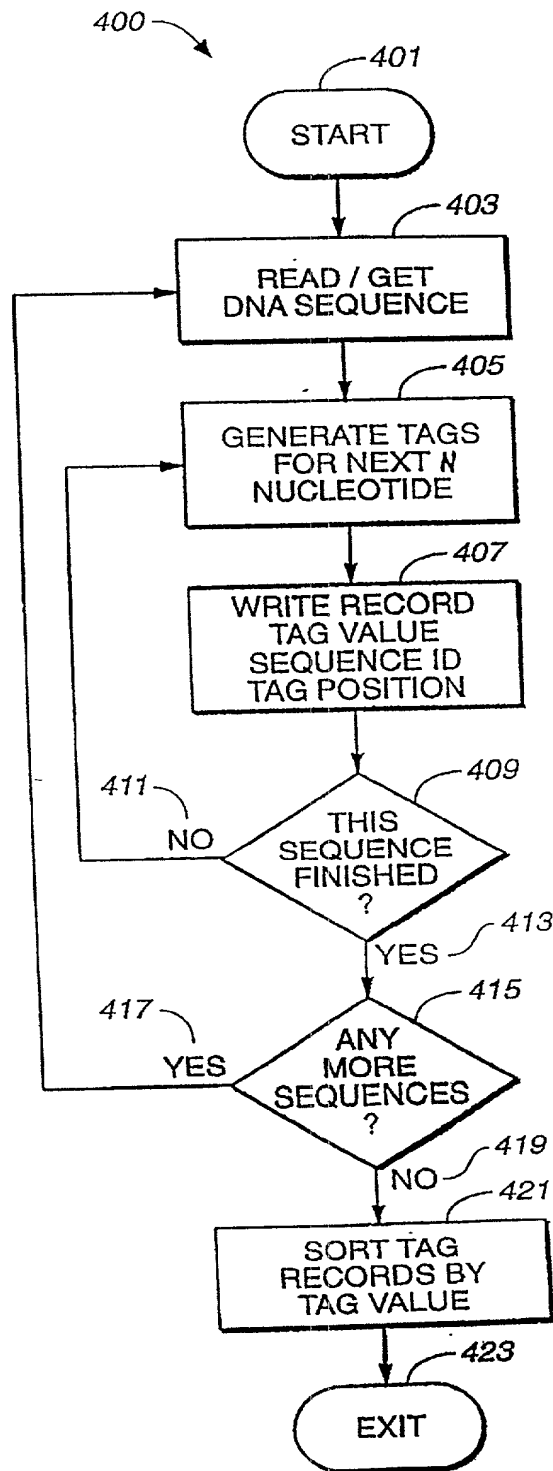


FIG._4

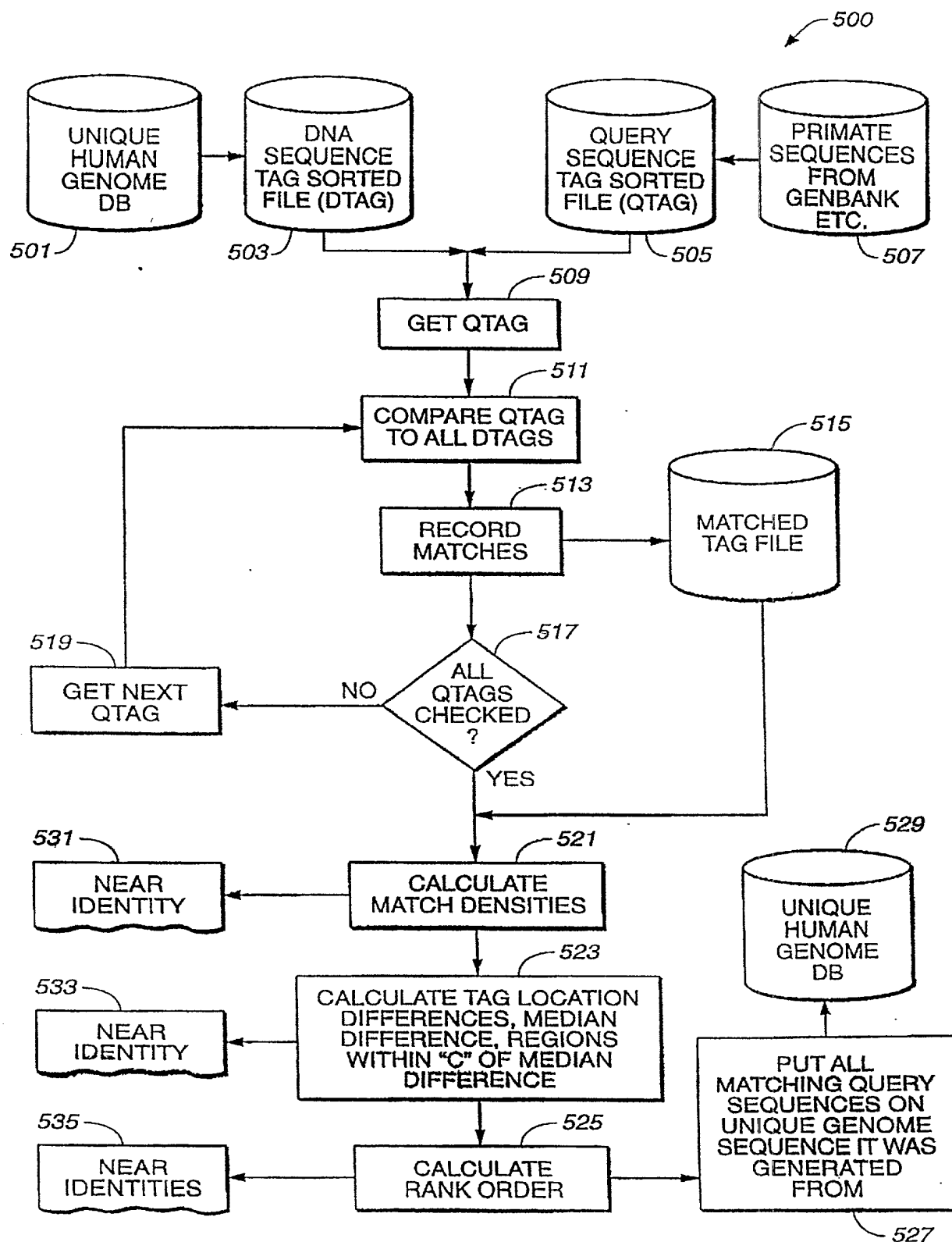


FIG. 5

FIGURE 6

swiss-prot like format:

601-ID 603) 605) Z0; 753000 NA.
 607-AC 607) 609 Z0;
 611-DR /vols/pdata/na/genomic/GEN_HUMAN.NDB; AC003656;
 753000 0 753000 Z0 753000 0 753000 249 1.00
 0.00 3847 933110467 619) 617)
 613-DR /vols/pdata/na/genomic/GEN_HUMAN.NDB; AQ474914;
 625-350 1 289 Z0 753000 557888 558176 9 -1.00 0.00 262)
 636-933110467 621 627) 623) 629) 631) 633) 635)
 DR /vols/pdata/na/genomic/GEN_HUMAN.NDB; AQ484430;
 346 6 299 Z0 753000 265056 265344 5 -1.00 1.00 262
 933110467
 DR /vols/pdata/na/genomic/GEN_HUMAN.NDB; G34630; 500
 41 457 Z0 753000 660416 660832 14 -1.00 0.00 262
 933110467
 DR /vols/pdata/na/genomic/GEN_HUMAN.NDB; AQ197006;
 551 41 489 Z0 753000 323936 324384 15 -1.00 0.00 262
 933110467
 DR /vols/pdata/na/genomic/GEN_HUMAN.NDB; G34621; 480
 2 418 Z0 753000 -286656 -286240 14 -1.00 0.00
 390 933110467
 DR /vols/pdata/na/genomic/GEN_HUMAN.NDB; G34622; 480
 6 422 Z0 753000 276448 276864 14 -1.00 0.00 262
 933110467
 DR /vols/pdata/na/genomic/GEN_HUMAN.NDB; G34623; 480
 3 419 Z0 753000 -409472 -409056 14 -1.00 0.00
 390 933110467
 DR /vols/pdata/na/genomic/GEN_HUMAN.NDB; G34625; 480
 28 444 Z0 753000 16448 16864 14 -1.00 0.00 2310
 933110467
 DR /vols/pdata/na/genomic/GEN_HUMAN.NDB; G34628; 480
 12 429 Z0 753000 491296 491712 12 -1.00 0.30 262
 933110467
 DR /vols/pdata/na/genomic/GEN_HUMAN.NDB; AQ530866;
 629 17 593 Z0 753000 379104 379680 12 -1.00 0.00 262
 933110467
 DR /vols/pdata/na/genomic/GEN_HUMAN.NDB; AQ284594;
 656 11 587 Z0 753000 368416 368992 18 -1.00 0.00 262
 933110467
 DR /vols/pdata/na/genomic/GEN_HUMAN.NDB; AQ055000;
 637 26 569 Z0 753000 675232 675776 17 -1.00 0.15 262
 933110467

FIGURE 6 (continued)

```

DR   /vols/pdata/na/genomic/GEN_HUMAN.NDB; G34769; 213
8 168      Z0 753000 -136224 -136064      6 -1.00 0.00
390 933110467
DR   /vols/pdata/na/genomic/GEN_HUMAN.NDB; G20808; 213
8 168      Z0 753000 -136224 -136064      6 -1.00 0.00
390 933110467
DR   /vols/pdata/na/genomic/GEN_HUMAN.NDB; AQ582860;
523 27 443 Z0 753000 -370656 -370240      14 -1.00
0.00 390 933110467
DR   /vols/pdata/na/genomic/GEN_HUMAN.NDB; HSMC12B05;
214 16 176      Z0 753000 -216640 -216480      6 -
1.00 0.00 390 933110467
DR   /vols/pdata/na/genomic/GEN_HUMAN.NDB; G37258; 389
20 340      Z0 753000 -169280 -168960      11 -1.00 0.00
390 933110467
DR   /vols/pdata/na/genomic/GEN_HUMAN.NDB; B69654; 582
43 491      Z0 753000 226048 226496 13 -1.00 0.00 262
933110467
DR
/home/disc/holloway/software/genomic_uniq/data/gen_0729
.fasta; AQ746139; 841 59 731      Z0 753000 -215936 -
215264      15 -1.00 0.00 390 933286163DR
/home/disc/holloway/software/genomic_uniq/data/gen_0729
.fasta; AQ729823; 445 42 395      - Z0 753000 104448
104800 10 -1.00 0.38 262 933286163
637-SQ   SEQUENCE length 753000 NA;
639- agcgtgtgtcagtgcgaaaaccccgagataagctatcacgtaatcgccaagtgtcggttaaattcaccata
gttcacatttttaataaccacgtatcatgtataaattaaacattgggccctccactgaggtacgtgtgta
gcgcttagtgggagacacgcatgggagcaagcaggaaaagtttaaaagaaggccgaccttagtgtcacc
cgacaaagccaaagcctgacaaaccccgaaattgcactcgcaattcacggcatacgggtcatttagcggtct
atcaccgtagtgggtatattgtaatccatcgatacggcggtttggtttgtcttacggttagtaagggcggtg
cggacgatattaggtgcaaaagtcctcaagcatcacaccagaaaagttaccaaggttgcggtgaaaagt
taccaagcctcacacgtgaaaagttaccaatcctgtcgcgtgaaaagttaccaagcatcacacgtgaaaa
gttaccaatcatgtcgcgtgaaaagttaccaagcatcacacgtgaaaagttaccaatcatgtcgcgtgaa
aagttaccaagcatcacacgtgaaaagttaccaatcattgcgcgtgaaaagttaccaagcaactcgcgtg
aaaagttaccaagcatcattacactttctcttacaagaatttaagaaaatcgttccaccccgccatcca
tcattctcaaacctcgctttgccccgggcactcgattatgcgggtggcgggctcgcggcacaagagagc
...
```